

**S/N Unknown**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Behnam Moradi et al.	Examiner:	Unknown
Serial No.:	Unknown	Group Art Unit:	Unknown
Filed:	Herewith	Docket:	303.591US2
Title:	STRUCTURE AND METHOD TO ENHANCE FIELD EMISSION IN FIELD EMITTER DEVICE		

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.98(d), copies of the listed documents are not provided, except for U.S. Pat. 6,323,075, as these documents, except for U.S. Pat. 6,323,075, were previously cited by or submitted to the U.S. Patent Office in connection with Applicants' prior U.S. application, Serial No. 09/483409, filed on January 14, 2000, which is relied upon for an earlier filing date under 35 U.S.C. §120.

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The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

BEHNAM MORADI ET AL.

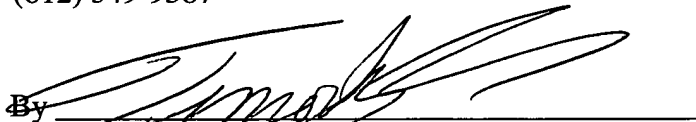
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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Date

20 Nov '03

By



Timothy B Clise

Reg. No. 40,957

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Date of Deposit: November 20, 2003

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**COMMUNICATION CONCERNING RELATED APPLICATION(S)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/144207 6232705	September 1, 1998	303.504US1	STRUCTURE AND METHOD FOR IMPROVED FIELD EMITTER ARRAYS
09/695632 6495955	October 24, 2000	303.504US2	STRUCTURE AND METHOD FOR IMPROVED FIELD EMITTER ARRAYS
10/054601	January 22, 2002	303.504US3	STRUCTURE AND METHOD FOR IMPROVED FIELD EMITTER ARRAYS
09/261477 6417016	February 26, 1999	303.562US1	STRUCTURE AND METHOD FOR FIELD EMITTER TIPS

COMMUNICATION CONCERNING CO-PENDING APPLICATIONS

Serial Number: Unknown

Filing Date: Herewith

Title: STRUCTURE AND METHOD TO ENHANCE FIELD EMISSION IN FIELD EMITTER DEVICE

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Dkt: 303.591US2

10/193016

July 9, 2002 303.562US2

STRUCTURE AND METHOD FOR  
FIELD EMITTER TIPS

Respectfully submitted,

BEHNAM MORADI ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

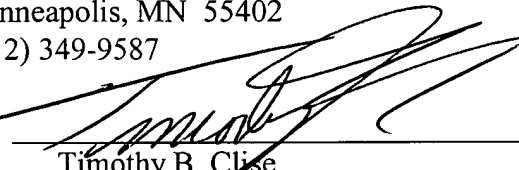
Minneapolis, MN 55402

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown
	Filing Date	Even Date Herewith
	First Named Inventor	Moradi, Behnam
	Group Art Unit	Unknown
	Examiner Name	Ramsey, Kenneth
Sheet 1 of 2	Attorney Docket No: 303.591US2	

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Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
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	US-3,755,704	08/28/1973	Spindt, Charles A., et al.	313	309	02/06/1970
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>

EXAMINER

DATE CONSIDERED

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

<b>Application Number</b>	Unknown
<b>Filing Date</b>	Even Date Herewith
<b>First Named Inventor</b>	Moradi, Behnam
<b>Group Art Unit</b>	Unknown
<b>Examiner Name</b>	Ramsey, Kenneth

Sheet 2 of 2

Attorney Docket No: 303.591US2

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ANDERSON, R. C., et al., "Porous Polycrystalline Silicon: A New Material for MEMS", <u>IEEE</u> , (1994),pp. 10-18	
		BOSWELL, E. C., et al., "Polycrystalline Silicon Field Emitters", <u>8th International Vacuum Microelectronics Conference Technical Digest</u> , (1996),pp. 181-185	
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		HUQ, S. E., et al., "Comparative study of gated single crystal silicon and polysilicon field emitters", <u>J. Vac. Sci. Technol. B 15(6)</u> , (1997),pp. 2855-2858	
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EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached